FISCHER

Portable High Frequency Apparatus

CATALOG No. 9

NOTICE—ILLUSTRATIONS HEREWITH ARE NOT BINDING AS TO DETAIL, IN VIEW OF CONSTANT IMPROVEMENTS, AND THE GOODS SUPPLIED ON YOUR ORDER MAY DIFFER SLIGHTLY IN APPEARANCE. HOWEVER, WHEN YOUR ORDER IS RECEIVED, THE VERY LATEST MODEL IS FORWARDED. OUR FULL LINE OF ACCESSORIES, FOR USE WITH THE FOLLOWING APPARATUS, IS COVERED IN OUR SPECIAL ACCESSORY CATALOGUE NO. 8.

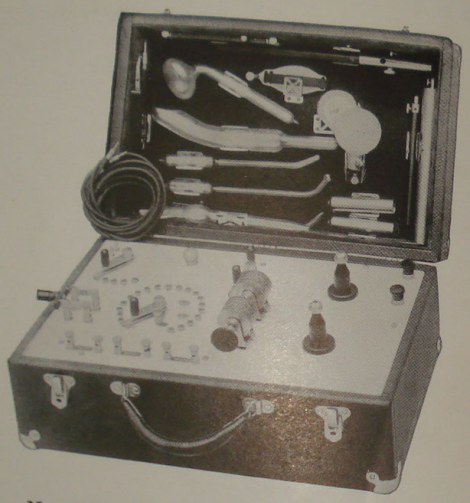
PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

Portable High Frequency Apparatus

Manufactured by

H. G. FISCHER & COMPANY

2335-43 Wabansia Ave. CHICAGO, ILL.



No. 485T—Portable Combination Type "K"

This apparatus covered by Physicians' Electrical Appliance Controls Patent No. 1260354

A Compact, Practical, Portable Electro-Therapeutic Outfit—Type "K"

There are a great many circumstances under which the ordinary practitioner does not need a large and heavy cabinet for his electro-therapeutic work, and there are other occasions when a portable outfit is urgently required.

Here is a powerful, simple, practical and durable outfit, especially designed to fill the needs and meet the requirements of the physician who appreciates the value of the various modalities and recognizes that it is essential to have them available, but yet who does not wish to install one of the heavier cabinets or wants a portable to supplement his office equipment.

Type "K" will be found to meet all requirements for such practice, and we can unconditionally recommend it to the profession as a high class, dependable and economical piece of professional equipment.

HIGH FREQUENCY Type "K" has a range of from zero to 70,000 volts potential, under excellent control, for use with glass high frequency tubes.

The primary effects of High Frequency applications are noted in increased blood supply to a given area, increased oxidization, secretions and local nutrition. They are locally germicidal, and while mild or medium sparks are stimulating, strong spark discharges are caustic in effect.

High Frequency Currents and the Vacuum Tube treatments are indicated generally in infectious skin diseases, and superficial conditions, as well as internal infections that can be reached with electrodes.

AUTO-CONDENSATION The d'Arsonval, auto-condensation current is delivered by the type "K," through the chair pad furnished, in even, gradual steps up to 800 milliamperes. No sensation of electrical current is perceptible by the patient.

The Auto-condensation current is used, in the majority of cases, for the treatment of high blood pressure. These currents are soothing to the entire system, and the effect of application constitutes what may correctly be termed a cellular massage.

DIATHERMY may be defined as a form of High Frequency d'Arsonval current, of Thermo-Therapy which utilizes electrical energy for the production of thermal (heat) effects in the depths of the tissues.

We all know the therapeutic value of heat. Poultices (linseed and bread) and the hot water bottle have been used since time immemorial, but before the advent of the "Diathermy" application all bodily heat (with the exception of that generated by the combustion of food) had to be applied from the outside; the outer shell received more than its share of the heat application while the internal areas were practically untouched.

When applying Diathermy, however, the desired heat may be directed to precisely the area you wish to cover,

the intensity of the application may be easily modified to suit the individual case, the patient feels no "electrical sensations," and the entire treatment consists of generating just that amount of heat at the focal point necessary regardless of how deep in the tissues that point may be.

Diathermy current up to 900 milliamperes is obtainable from the Type "K" Portable, at an extremely high rate of frequency; an effective, result producing discharge.

Treating Pneumonia, Type "K"—Diathermy Current

FULGURATION One of the most valuable and useful of all the many modern adaptations or applications of the High Frequency current.

Fulguration current may be applied in two distinct forms: the long cool sparks, which desiccate but do not ordinarily cauterize, and the short hot sparks used for electro-coagulation. The former are taken from the high voltage, low amperage discharge of the Tesla coil proper, and the latter from the d'Arsonval windings. Both forms are available from the type "K."

Tesla Fulguration is especially useful in superficial skin treatments such as warts, moles, etc., and the d'Arsonval type for orificial work such as destruction of papilloma of the bladder. There apparently is no limit to the actual usefulness of this modality.

OZONE One of the many uses of High Frequency Current is as a blood purifier, through the agency of Ozone. Ozone is generated by the type "K" by the electric spark, or spray, and when applying the glass vacuum electrodes this agent seeks the path of least resistance (which in the body is the veins, as they contain the conductable carbonates and impurities), which are mostly in need of this purifying action.

Purified ozone is indicated in infectious diseases, anemia, diseases of the respiratory organs, as well as all conditions where there is imperfect oxidation and impaired nutrition. Ozone spray is invaluable in the treatment of ulcers.

CAUTERY Type "K" generates a sufficient quantity of this universally handy modality to properly heat any ordinary knife, of any manufacture; perfectly safe, easy to handle, and with 36 points of control.

Every physician knows the uses of the Electric Cautery, hence no technical description should be necessary.

DIAGNOSTIC LAMP The low potential current available for the lighting of diagnostic lamp bulbs can be regulated accurately to deliver from ½ to 12 volts. Anything from your smallest cystoscope bulbs up to good sized lamps within the voltage limit can be operated safely.

Among the most valuable uses of the diagnostic lamps may be cited: examination of the bladder for papilloma or stones, intra oral, intra nasal, and general sinus investigation.

SINUSOIDAL The ideal electrical muscle massage, effective yet painless, the best known uses of which are for the treatment of Paralysis and habitual Constipation, and we have some very favorable reports on the treatment of deafness as well.

The application is very simple, and a very small assortment of electrodes may be used for a number of distinctly different cases.

The Sinusoidal current as generated by type "K" is adaptable to any method of application, is under perfect control, and with a potential range of from 5 to 45 volts.

CONSTRUCTION Type "K" Portable was originally designed with the idea ever in mind that as much efficiency should be built into as small and com-

pact form as was possible with safety and good electrical engineering. We are justly proud of the result, and have scores of pleasant letters in our files to clearly testify, even to the most skeptical, that we have a really wonderful result producing appliance in type "K."

We use a closed core step-up transformer; mica plate condenser; tungsten spark interrupter points; a combination of the d'Arsonval and Tesla coils giving the operator the advantage of either high voltage and low amperage, or high amperage and low voltage, with a sliding scale between, and at various frequencies; details found in a number of high priced machines and approved by our best known electro-therapists in their works on the subject.

The case measures, when closed, 17 inches in length, 11 inches in depth, and 8½ inches high. It is steel bound, made of solid kiln dried stock, and covered with high quality black leatherette. The interior is velvet lined and so padded that when the nickel plated electrode clips are fastened in place and the glass tubes slipped in, the appearance is very pleasing.

The electrical top itself is white Italian marble, on which are mounted the necessary outlets and control levers of brass, heavily nickel plated.

GUARANTEE With the apparatus, when shipped, we send a very liberal guaranty, copy of which we will be glad to mail you if you prefer to look it over.

The **Spark Interrupter Points** on the Type "K" apparatus are really a splendid feature. Ordinarily the intense heat generated by the passing of the current across these points causes sufficient pitting and corrosion as to become rather a nuisance during long treatments. This trouble has been done away with entirely on the Type "K." The Spark Interrupter Points are of **tungsten,** an almost ever-wearing material, and of such size that one adjustment is all that will be required for any treatment.

Catalogue No. 485T—Type "K" Portable Combination Outfit with connecting cord and plug ready to attach to the 110 volt, 60 cycle A. C. line, with **Tungsten Spark Points,** with addition of:

1 No. 1 Surface High Frequency Electrode.
1 No. 2 Rectal High Frequency Electrode.
1 No. 3 Vaginal High Frequency Electrode.
1 No. 4 Nasal High Frequency Electrode.
1 No. 5 Throat High Frequency Electrode.
1 No. 20 Fulguration Electrode with 3 tips.
1 No. 23 Urethral High Frequency Electrode.
1 No. 50 Handle for High Frequency Tubes.
1 No. 51 Heavy Insulated High Frequency Cord.
1 No. 52 Auto Condensation Handle.
1 No. 301 Adjustable Cautery Handle.
1 No. 305A Cautery Knife.
1 No. 305B Cautery Knife.
2 No. 306 Cautery Cords.
2 No. 311 Metal Sinusoidal Handles.
2 No. 312 Maroon Sinusoidal Cords.
1 No. 316 Felt Sinusoidal Disc and Handle.
1 No. 321 Diagnostic Illuminator (cords, holder and lamp).
1 No. 322 Diagnostic Lamp Bulb (extra).
1 No. 410 Auto-Condensation Chair Pad.
1 No. 411 Auto-Condensation Registering Lamp and Holder.
1 No. 412 Color Scale for d'Arsonval Currents.
1 No. 614 Hand Diathermy Electrode.
1 Booklet of Instructions.

Code, ANTE. Price, $110.00.

Catalogue No. 486T—Type "K" Portable Combination Outfit, with **no accessories,** with connecting cord and plug ready to connect to the alternating current line of 110 volts, 60 cycles, with **Tungsten Spark Points.** Code, ABOSET, $80.00.

Where Alternating Current other than the regular 110 Volts, 60 Cycles, is to be used to operate the type "K," the following alterations in price will apply:

For 110 Volts, **25** Cycles, add $5.00.
For 110 Volts, **40** Cycles, add 5.00.
For 220 Volts, **25** Cycles, add 6.50.
For 220 Volts, **40** Cycles, add 6.50.
For 220 Volts, **60** Cycles, add 5.00.

When the Direct Current only is obtainable a Rotary Converter to transform this direct flow into the necessary Alternating current of 110 Volts, 60 Cycles, must be employed. The Type "K" itself need not be altered, as whether you use 220 Volts or 110 Volts Direct current the rotary furnished delivers exactly 110 Volts A. C.

No. 950X—Rotary Converter, for use when operating Type "K" on 110 Volts Direct Current. Code EMOLO. $52.50.

No. 955X—Rotary Converter, for use when operating Type "K" on 220 Volts Direct Current. Code, EPUL. $55.00.

Shipping Weights and Measures covering No. 485T

Net Weight in Lbs.	Net Weight in Kilos	Gross Weight in Lbs.	Gross Weight in Kilos	Dimen. of Containers in Inches	Dimen. of Containers Centimeters	Description of Contents of Containers
35¼	15.7	66	29.7	13x16x23	33x40x48	Box Cabinet

Type "K" No. 486T weighs 11 lbs. **less** than No. 485T.

The Type "D" Portable High Frequency Generator

A High Frequency generator of the transformer type, light in weight, yet sufficiently powerful for all ordinary applications of this very valuable electrical modality.

Type "D" is economical and dependable, and was designed to meet the demand for a medium priced Portable outfit. It is simple to operate, neat in appearance, complete in itself, sturdily constructed and absolutely noiseless in operation.

The electrical modalities available are a powerful High Frequency discharge for use with the glass vacuum electrodes and for the production of Ozone, and Fulguration. There are five points of voltage (spark length) control, and a variable condenser permitting the use of a very highly oscillating discharge for cavity work, as well as the lower frequency, heavier discharge for general massage.

The **High Frequency** currents, as applied by means of the glass tubes are most generally indicated in infectious skin diseases, and such internal infections as can be reached with the electrodes. High Frequency currents are locally germicidal, and while strong spark discharges are caustic in effect, mild or medium sparks are stimulating.

Type "D" portable, being of the step-up transformer type of construction, can only be operated from an alternating current source, preferably 110 Volts, 60 Cycles. Care should be exercised when ordering that the type of current as well as the number of cycles is understood, and that we are notified accordingly. When Direct current must be used a Rotary Converter is necessary to generate the required 60 Cycle alternating. (See price list, page 16.)

No. 695—Type "D" Portable Outfit

No. 696—Type "D" Portable Outfit

The case measures 8½ x 11 x 17 inches, strongly made, bound with a steel valence and covered with a high grade of leatherette which offers greater wearing qualities than leather. The interior of the cover is so lined with velvet, padded, and arranged with metal clips to hold the various glass tubes in place that the entire assembly is very neat and attractive.

All the exposed metal parts, levers, switch, etc., are made of brass or copper, heavily nickel plated, and mounted on white Italian marble.

The glass vacuum electrodes are built here in our own factory of the best grade glass, carefully annealed, and uniformly exhausted.

Type "D" Portable is thoroughly tested before it leaves the factory, and with normal care should last a number of years. Each apparatus shipped is accompanied with our guarantee protecting the purchaser against inherent defects which may develop within a period of two years.

Catalog No. 693—Type "D" portable, with **no accessories,** but including connecting cord and plug ready to connect to the 110-Volt, 60-Cycle A. C. line.

Code, LATISH. Price, $54.00.

Catalog No. 695—Type "D" portable, with connecting cord and plug ready to connect to the 110-Volt 60-Cycle line, with addition of:

1 No. 1 High Frequency Electrode, surface.
1 No. 7 Concave Surface Electrode, small.
1 No. 9D Body Condenser Electrode.
1 No. 11 Comb Electrode.
1 No. 27 Fulguration Electrode.
1 No. 33 Throat Electrode.
1 No. 49 Rubber Insulated Handle and Cord.
1 No. 51 Insulated High Frequency Cord.
1 Complete Booklet of Instructions.

Code, LATENT. Price, $65.00.

Type "D"
With Cautery and Diagnostic Circuits

Cautery Knives, and Electric lighted Diagnostic Instruments are used so generally by the average physician that we have built up a special portable "D" with these modalities. This equipment has sufficient Cautery output to heat all ordinary medium sized knives, and a range of from 2 to 12 volts for diagnostic purposes.

Both these currents are under perfect control, and a set of accessories for their proper application are included in the equipment. The High Frequency, and Fulguration currents are the same as delivered from the regular Type "D."

Catalog No. 694—Type "D" Portable, with the Cautery and Diagnostic windings, but **no accessories,** with connecting cord and plug ready to connect to the 110-Volt, 60-Cycle A. C. line.

Code, LATIUM. Price, $60.00.

Catalog No. 696—Type "D" Portable, with the Cautery and Diagnostic circuits, with connecting cord and plug ready to connect to the A. C. 110-Volt, 60-Cycle line, with addition of:

1 No. 1 Surface High Frequency Electrode.
1 No. 7 Small Concave Surface Electrode.
1 No. 11 Comb High Frequency Electrode.
1 No. 27 Glass Fulguration Electrode.
1 No. 33 Outer Throat Electrode.
1 No. 49 Rubber High Frequency Handle and Cord.
1 No. 54 Glass High Frequency Handle.
1 No. 301 Cautery Handle, adjustable.
2 No. 305 Cautery Knives.
2 No. 306 Cautery Cords.
1 No. 321 Diagnostic Illuminator.
1 Compete Booklet of Instructions.

Code, LATIN. Price, $75.00.

Shipping Weights and Measures of No. 693

Net Weight in Lbs.	Net Weight in Kilos	Gross Weight in Lbs.	Gross Weight in Kilos	Diamen. of Containers in Inches	Diamen. of Containers Centimeters	Description of Contents of Containers
25	11	48	21	13x16x23	33x40x48	Box Cabinet

Type "D" No. 695 weighs 2 lbs. more than No. 693.

Where Alternating Current other than **the regular** 110-Volt, 60 Cycles is to be used to operate the type "D," the following alterations in prices will apply:

For 110 Volts, **25** Cycles, add $5.00.
For 110 Volts, **40** Cycles, add 5.00.
For 220 Volts, **25** Cycles, add 6.50.
For 220 Volts, **40** Cycles, add 6.50.
For 220 Volts, **60** Cycles, add 5.00.

Where the Direct Current only is available a Rotary Converter to transform this direct flow into the necessary 110-Volt, 60-Cycle Alternating must be added. When you order an apparatus for 110 D. C. we send a Rotary to deliver the same voltage at 60 Cycles alternating, our No. 950X; and for operation on the 220-Volt D. C. line we furnish our No. 955X, which also delivers 110 Volts. In either instance the regular Type "D" can be used in connection with the proper rotary.

No. 950X—Rotary Converter, for operation on the 110-Volt D. C. line. Code, EMOLO. $52.50.

No. 955X—Rotary Converter, for operation on the 220-Volt D. C. line. Code, EPUL. $55.00.

For Shipping Weights and Measures see preceding page; **add one pound** to No. 693 for No. 694, and **three pounds** for No. 696.

Rotary Converter weighs approximately 25 lbs.

The Type "F" Portable High Frequency and Violet Ray Generator

A practical, durable, yet simple portable high frequency generator, of the magnet coil type, which can be operated with almost equal efficiency on either the alternating or direct current.

Power and Capacity—Type "F" has a capacity of 60,000 volts and can be adjusted down to zero potential.

Frequency Control—Type "F" has a frequency controlling device, permitting applications ranging from the heaviest necessary medium frequency currents for massage to the extremely high oscillation required for fulguration or urethral applications.

Portability—Type "F" can be instantly connected to any lamp socket, either D. C. or A. C. Connecting cord is permanently attached. Pocket is provided for all cords. Clamps are provided for tubes and handle.

Metal Parts—All working parts are substantial and are mounted on Italian marble.

Spark Points—The greatest drawback, heretofore, to this type of High Frequency apparatus has been the inability of the operator to set the Spark Interrupter Points to deliver just exactly the required amount of current through the electrode and to have that desired discharge remain constant throughout the treatment, simply because the points themselves were of Silver, which, being soft, would become pitted and corroded from the intense heat and the current passing would fluctuate and gradually diminish.

The Type "F" of today is equipped with interrupter points of Tungsten—a practically unburnable metal—and when once properly adjusted need not be altered unless more or less current is desired.

Carrying Case—The case is substantially built, being bound with a steel valence and covered with a patented black leatherette which is superior to leather for wear. All trimmings are of brass heavily nickel-plated. The interior of case is lined with velvet.

Guarantee—Every type "F" is put to a severe test before leaving the factory and is backed by an absolute guarantee against all inherent defects for a period of two years.

Electrodes—All electrodes are of large capacity, are annealed, and exhausted to a uniform degree of vacuum.

Not a Toy—Type "F" is a thorough, practical, result-producing appliance, and is not a toy that is hung from your lamp socket.

Type "F" will improve your office equipment and will assist you in getting desired results for your patients.

Therapeutic Effects of High Frequency Currents—Locally they relieve congestion and stasis, all local pains and soreness being alleviated. Although this current is applied to the skin, the potential is so high that it penetrates every cell in the entire body, reducing hypertension, and by increasing functional activity it accelerates elimination.

No. 480—Type "F" High Frequency Portable

Clinical Experience—Daily new and definite results are announced in thousands of cases, the following being a few of those most commonly reported:

Abscesses	Eczema	Paralysis
Acne	Freckles	Pyorrhea alveolaris
Alopecia	Goitre	Rheumatism
Arteriosclerosis	Gray hair	Skin diseases
Barber's itch	Headache	Sciatica
Boils	Hypertension	Throat diseases
Bronchitis	Inflammation	Torticollis (stiff neck)
Callouses	Lumbago	Ulcers (chronic)
Catarrh (of nose)	Massage	Uterine diseases
Constipation	Moth patches or moles	Warts
Corns	Neuritis	
Deafness		

We have recently added a new feature to this already very efficient machine, in the way of a cautery attachment. This circuit will heat to any desired temperature the knives which we furnish, and can also be utilized to light the tungsten diagnostic set supplied by us.

Type "F" can be operated on either alternating or direct current; all that is necessary in ordering is to state the voltage of your supply, and if alternating, the cycle.

Prices

No. 479, Type "F" Portable, with connecting cord and plug, ready to attach to any electric light socket.

Code, ABADE. Price, $26.50.

No. 484 Outfit, same as No. 479, with addition of cautery circuit.

Code, ABORAD. Price, $29.50.

No. 480 Outfit consists of "F" Portable No. 479, with addition of—

1 No. 1 Surface high frequency electrode.
1 No. 2 Rectal high frequency electrode.
1 No. 3 Vaginal high frequency electrode.
1 No. 4 Nasal high frequency electrode.
1 No. 5 Throat high frequency electrode.
1 No. 6 Urethral high frequency electrode.
1 No. 50 Insulated handle.
1 No. 51 Heavy insulated cord.

Code, ABBE. Price, complete, $32.50.

No. 481 Outfit, with cautery circuit, full set of 6 electrodes, cord and handle as outlined with No. 480, and

1 No. 301 Adjustable cautery handle.
2 No. 306 Cautery cords.
1 No. 305A Cautery knife.
1 No. 305B Cautery knife.
1 No. 321 Diagnostic illuminator, with cords, holder and tungsten lamp.
1 No. 20 Fulguration handle with 3 tips.

Code, ABDUCT. Price, $43.50.

No. 482 Dental Outfit consists of—
1 No. 479 Portable "F" generator.
1 No. 01 Surface electrode.
1 No. 061 Insulated pyorrhea electrode.
1 No. 062 Insulated cocain electrode.
1 No. 063 Insulated cavity electrode.
1 No. 064 Insulated outer gum electrode.
1 No. 049 Insulated rubber shock proof handle, with heavy protected cord attached.
Code, ABIES. Price, $35.00.

No. 483 Chiropodists' Outfit consists of—
1 No. 479 Portable "F" generator.
1 No. 1 Surface high frequency electrode.
1 No. 7 Bunion high frequency electrode.
1 No. 20 Fulguration handle and 3 tips.
1 No. 30 Corn high frequency electrode.
1 No. 50 Insulated handle.
1 No. 51 Heavy insulated cord.
Code, ADLATE. Price, $32.50.

No. 489 Outfit, with cautery circuit same as No. 484, and full set of high frequency electrodes as outlined with No. 480.

Code, ABOX. Price, $35.00.

Shipping Weights and Measures Type "F" High Frequency Portable

Net Weight in Lbs.	Net Weight in Kilos	Gross Weight in Lbs.	Gross Weight in Kilos	Dimen. of Containers in Inches	Dimen. of Containers Centimeters	Description of Contents of Containers
13	5.8	15	6.7	7x9x13	17x22x33	P. B. Carton

A type "F" instruction booklet is included in all of these outfits.

The Type "O" Portable High Frequency and Violet Ray Generator

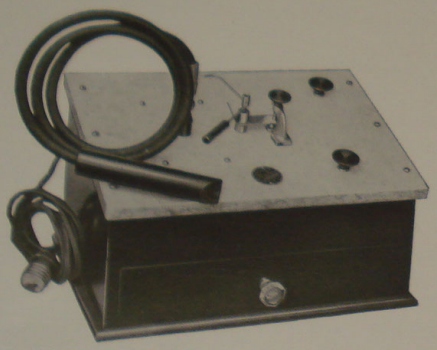
This equipment is constructed along the same lines as the type "F" on the foregoing pages, except that the marble top and controls are mounted on an attractive mahogany box in place of the black leather covered case. Designed more as a permanent fixture than as a portable.

On account of the very simple construction of this apparatus, very little attention is necessary to keep it in perfect running condition. It is well made, fully guaranteed against any inherent defects.

Type "O" can be connected to any lamp socket, and to either alternating or direct current. Simply state which current you have available, and the voltage or cycle, and we will adjust the outfit accordingly.

Type "O" has a frequency (oscillation) controlling device, enabling the operator to deliver the powerful, slowly vibrating current for massage, or the very fine, extremely high frequency for fulguration, or treatment over tender areas.

Every machine must stand a very severe test before leaving the factory, and the guarantee covers any inherent defect that may develop for a period of two years. The box is finished in mahogany, hand rubbed, and with white Italian marble top, making a handsome combination. All metal parts are of brass, heavily nickel-plated.



No. 476—Violet Ray Generator Type "O"

A plush lined drawer is provided with clips for glass high frequency electrodes, with heavily insulated high frequency cord and hard rubber shock proof handle. The electrodes supplied include:

1 No. 1 Surface tube for general massage.
1 No. 11 Hair comb electrode.
1 No. 49 Insulated rubber shock proof handle.
1 No. 51 Heavy insulated high frequency cord.
1 No. 20 Special fulguration electrode, with 3 tips, for the removal of warts, moles and other nevi.

Other high frequency electrodes may be selected from our list, but the above will be found sufficient to cover all ordinary needs.

Outfit No. 476, including Electrodes Nos. 1, 11, 20, Handle No. 49, and No. 51 Cord and booklet of instructions. Code, ANON. Price, $40.00.

No. 476—Type "O" Portable

Net Weight in Lbs.	Net Weight in Kilos	Gross Weight in Lbs.	Gross Weight in Kilos	Dimen. of Containers in Inches	Dimen. of Containers Centimeters	Description of Contents of Containers
15	6.7	17	7.6	7x9x13	17x22x23	P. B. Carton

The Type "J" Portable High Frequency and Violet Ray Generator

A magnet type high frequency apparatus of a smaller size, but retaining all the characteristics which have made our type "F" so popular.

It is true that the first sight of the machine in operation is rather mystifying to the average observer, owing to the weird blue light in the tube and the unusual sparking. However, the type "J" is absolutely harmless. In fact, it merely transforms the ordinary lighting current, by means of condensers and specially wound coils, into a current of high potential and extremely rapid oscillations.

Its application is most beneficial, and the therapeutic value of the high frequency violet ray, due to its deep penetrating qualities and its extreme high rate of oscillation, is very marked.

The high frequency current can be used to treat a large number of different conditions. Its effect is mainly a cellular massage, but it also stimulates the circulation, causing a general increase in oxidation and local nutrition. The effects are stimulating and antiseptic, yet destructive to unhealthy tissue, and quicker results may be obtained than by any other known method.

The high frequency current which the type "J" delivers is not put forward as a cure-all; but with the proper application it will produce results that cannot be obtained through the use of any other agent alone. It may be applied inde-

No. 473—Type "J" High Frequency Generator

pendently or in connection with medicinal dosage, as it prepares the body to receive the help the medicine offers.

Positive Results—Pain and inflammation can be promptly relieved or greatly alleviated by applying the current to the affected spot. This local application of the high frequency current produces an effect of hyperemia, similar to that produced by massage, but deeper and more lasting.

The use of the sparks from a violet ray tube will destroy growths on the scalp and abort boils and other skin lesions without any danger of infection.

It is so far in advance that results can be obtained in minutes which ordinarily took hours to produce with the one time popular faradic battery outfit.

With the use of the fulguration electrode warts, moles and other nevi can be removed without leaving any scar.

So varied and positive are the good results obtained from the use of high frequency violet ray currents that if anyone will conscientiously apply same relief can and will be obtained.

Construction—In general construction type "J" is very substantial. The case is steel bound, covered with black leatherette, and has the interior lined with velvet. All the metal parts are made of brass heavily nickel-plated and mounted on white Italian marble.

Type "J" can be operated from either alternating or direct current; all that is necessary to state when ordering is the voltage of your supply, and if alternating, the cycles. This information can be had from your local electric supply station.

Guarantee—Type "J" is built under careful supervision and given a severe running test before leaving the factory; it is backed by an absolute guarantee against any inherent defects for a period of two years.

Prices

No. 475—Type "J," complete with surface electrode, 4-foot cord, insulated handle and instruction booklet.

Code, ABANET. Price, $20.50.

No. 473—Type "J," with No. 049 special insulated rubber shock proof handle, with a 4-foot heavy cord attached in place of the regular cord and handle.

Code, ARABIC. Price, $21.00.

Careful investigation is invited, and further details cheerfully given. Circular of various electrodes for use with the outfit sent on request.

No. 475—Type "J" Portable

Net Weight in Lbs.	Net Weight in Kilos	Gross Weight in Lbs.	Gross Weight in Kilos	Dimen. of Containers in Inches	Dimen. of Containers Centimeters	Description of Contents of Container
7	3.1	10	4.5	8x8x12	20x20x30	P. P. Carton